

L Number	Hits	Search Text	DB	Time stamp
1	5182	recipient same ((electronic adj (mail or message or document or book)) or email or e-mail or e-mailing or emailing)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/09 10:07
2	4038	recipient with ((electronic adj (mail or message or document or book)) or email or e-mail or e-mailing or emailing)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/09 10:07
3	1799	recipients! with ((electronic adj (mail or message or document or book)) or email or e-mail or e-mailing or emailing)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/09 10:08
4	1483	recipients! near6 ((electronic adj (mail or message or document or book)) or email or e-mail or e-mailing or emailing)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/09 10:08
5	56	(recipients! near6 ((electronic adj (mail or message or document or book)) or email or e-mail or e-mailing or emailing) ) and (707/\$.ccls or 715/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/09 10:08

US-PAT-NO: 6539421

DOCUMENT-IDENTIFIER: US 6539421 B1

TITLE: Messaging application user interface

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Detailed Description Text - DETX (9):

A process 90 for addressing a message (e.g., a message that is entered via the MA user interface 10) is shown in FIG. 8. In step 92, a group of potential recipients of a message is maintained. For example in an instant message system, the group of potential **recipients of an electronic message** can comprise

an address list 500, shown in FIG. 9, that includes entries 502 for each potential recipient of an instant message. Each entry 502 in the address list 500 contains an address field 504 in which an address (e.g., a user or screen name) for a potential recipient is stored, an online status field 506 that contains an indication of the online status of the person associated with the address stored in the address field 504, and a time stamp field 508 that contains the time when an instant message was sent to or received from the person associated with the address stored in the address field 504 during the current communication session, if any. The address list 500 can include an entry 502 for each person that is included in the user's buddy list.

Alternatively, or in addition, the address list 500 can include an entry for each person to whom the user has sent a message during the current communication session and/or from whom the user has received a message during the current communication session.

Current US Cross Reference Classification - CCXR (2):

**715/534**

US-PAT-NO: 6529942

DOCUMENT-IDENTIFIER: US 6529942 B1

TITLE: System and method for providing recipient specific  
formats for electronic mail

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Brief Summary Text - BSTX (6):

Therefore, what is needed is an electronic mail system that allows an originating user to customize a message based on who the receiver is without the originating user having to generate multiple versions of the original message for other recipients. For the reason stated above, and for other reasons stated below which will become apparent to those skilled in the art upon reading and understanding the present specification, there is a need in the art for a method of allowing an originating user to individually customize an **electronic mail message for different recipients** using a single message.

Brief Summary Text - BSTX (10):

An advantage of recipient specific format commands in an electronic mail system is that such commands allow an originating user of an electronic mail message to individually customize the text of the message based on who the receiver is. Allowing an originating user to individually customize an **electronic mail message for different recipients** and having a system that automatically creates individualized messages avoids having the originating user duplicate the original message and tailor it for each recipient. Furthermore, when a recipient receives a message with highlighted text, the recipient is able to quickly focus on a section of the message that may be of particular interest. When an individual is reading or opening a large number of messages, text that is highlighted ensures that the recipient will more likely notice the pertinent part of the message.

Detailed Description Text - DETX (28):

If the recipient has not been assigned an identifier code, then the embedded processing codes are ignored. If an identifier code has been assigned, then the software correlates the embedded text format commands to the recipient's identifier code. To determine if an identifier code has been assigned, the

software matches the recipient's user name with the embedded processing codes

to find a match. If a match is found, the number or letter used as an identifier code is recognized by the recipient's software. Those skilled in the art will appreciate that the principles of the present invention can be applied to virtually any method of assigning and retrieving identifier codes for **recipients in an e-mail** system.

Detailed Description Text - DETX (34):

A function for e-mail software has been described for recognizing text formatting commands for a specific recipient in an e-mail system. The function recognizes embedded processing codes for changing the font characteristics of selected text based on a code specific to each recipient's message. This allows a single message to be modified for more than one recipient such that individual modifications corresponding to a particular recipient are received only by that recipient. Three different embodiments of automatically creating individualized messages for each recipient were presented. One embodiment is to have the originating user's software analyze or parse the message and generate separate, properly formatted e-mail messages for each recipient. Another embodiment is to have a mail server 11 or an equivalent network device process the **e-mail message when sending the message to the correct recipients**.

A third embodiment of processing inserted format commands and automatically creating individualized messages involves performing these tasks on the recipient's data processing machine 20. In this embodiment, each recipient receives all the inserted format commands that were encoded but their data processing system 20 only decodes the inserted format commands relevant to them.

Claims Text - CLTX (1):

1. A method of formatting text in an electronic mail message for a specific recipient in an electronic mail system, the method comprising the steps of: embedding processing codes within the electronic mail message, said processing codes specifying a format for a subset of text of the electronic mail message, said processing codes having an association with at least one **electronic mail recipient of a plurality of electronic mail recipients**; and generating individualized messages for at least one of the plurality of **electronic mail recipients** based upon the embedded processing codes associated with the electronic mail recipient.

Claims Text - CLTX (9):

9. A machine readable medium having machine readable instructions stored thereon for causing a computer to perform, on an electronic mail message, the steps comprising: embedding processing codes within the electronic mail message, said processing codes specifying a format for a subset of text of the electronic mail message, said processing codes having an association with at least one **electronic mail recipient of a plurality of electronic mail recipients**; and generating individualized messages for at least one of the plurality of **electronic mail recipients** based upon the embedded processing codes associated with the electronic mail recipient.

Claims Text - CLTX (13):

13. A system for formatting text in an electronic mail message for a specific recipient in an electronic mail system, the text formatting system comprising: a processor; a machine readable medium; and a plurality of machine readable instructions executed by the processor from the machine readable medium for performing the steps of: embedding processing codes within the electronic mail message, said processing codes specifying a format for a subset of text of the electronic mail message, said processing codes having an association with at least one **electronic mail recipient of a plurality of electronic mail recipients**; and generating individualized messages for at least one of the plurality of **electronic mail recipients** based upon the embedded processing codes associated with the electronic mail recipient.

Claims Text - CLTX (16):

16. A computer network comprising: a first computer terminal for generating an electronic mail message having embedded processing codes within the message, said processing codes specifying a format for a subset of text of the electronic mail message, said processing codes having an association with at least one **electronic mail recipient of a plurality of electronic mail recipients**; a server coupled to the first computer terminal for receiving the message and for processing the embedded processing codes, wherein an individualized message is created for and sent to the at least one electronic mail recipient; and a second computer terminal for receiving an individualized message without the embedded processing codes, wherein the individualized message corresponds to the at least one electronic mail recipient using the second data processing system.

Claims Text - CLTX (20):

20. A computer network comprising: a first data processing system generating and sending an electronic mail message having embedded processing codes within the message, said processing codes specifying a format for a subset of text of the electronic mail message, said processing codes having an association with at least one **electronic mail recipient of a plurality of electronic mail recipients**; and a second data processing system receiving the electronic mail message, wherein the second data processing system processes the embedded processing codes for the at least one of the **electronic mail recipients** and generates an individualized message for that recipient.

Current US Cross Reference Classification - CCXR (1):

**715/526**

US-PAT-NO: 6424995

DOCUMENT-IDENTIFIER: US 6424995 B1

\*\*See image for Certificate of Correction\*\*

TITLE: Method for displaying information contained in an  
electronic message

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Detailed Description Text - DETX (33):

The MAPI service providers 325 are located between MAPI subsystem 305 and the messaging systems 320. Service providers are drivers that connect MAPI client applications 300 to an underlying messaging system 320. Most messaging systems include three types of service providers: message store providers 330, address book or directory providers 335, and message transport providers 340. The service providers work with MAPI to create and send electronic messages in the following way. Electronic messages are created using a form that is appropriate for the specific type, or class, of message. The completed **electronic message is addressed to one or more recipients**. When the client sends the message, the message store provider 330 checks that each recipient has a unique and valid address and that the message has all of the information necessary for transmission. If there is a question about a recipient, such as can occur when there are multiple recipients with the same name, an address book provider resolves the ambiguity. The electronic message is then placed in the outbound queue.

Detailed Description Text - DETX (38):

The operation of these MAPI components is illustrated by describing the flow of an electronic message through these components. The user of a client application 300 sends an **electronic message to one or more recipients**. A message store provider 330 initiates the sending process and formats the message with additional information needed for transmission. The MAPI spooler 310 receives the electronic message, performs any required preprocessing, and delivers it to the appropriate transport provider 340. The transport provider 340 gives the message to its messaging system 320, which sends it to the intended recipient(s). When an electronic message is received, the transport

provider 340 receives a message from its messaging system 320 and notifies the MAPI spooler 310. The spooler 310 performs any necessary post processing and informs the message store provider 330 that a new message has arrived. The notification causes the client application 300 to refresh its message display, which enables the user to read the new message.

Current US Cross Reference Classification - CCXR (4):

715/530

US-PAT-NO: 6405225

DOCUMENT-IDENTIFIER: US 6405225 B1

TITLE: Integrating email functionality into a word processor by  
incorporating an email GUI within the word processor

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Detailed Description Text - DETX (51):

The EUI 410 is comprised of a group of function buttons and data fields. The TO data field 412 permits the user to input one or more **recipients (addressees) to whom the email** message will be transmitted. The SUBJECT data field 414 permits the user to provide a title for the email message, which can be displayed for quick reference by the recipient or by the sending user. The EUI 410 may also be equipped with a blind copy data field (not shown) and a carbon copy data field (not shown) for the purposes of transmitting the email message to other parties besides the addressee. The EUI may also be equipped with an attachment data field (not shown) for attaching other documents and/or data files to the email message.

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Current US Original Classification - CCOR (1):

**715/526**

Current US Cross Reference Classification - CCXR (2):

**715/500**

US-PAT-NO: 6272485

DOCUMENT-IDENTIFIER: US 6272485 B1

TITLE: Transferring selected formatted documents over a  
computer network using interface script

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Detailed Description Text - DETX (32):

In addition to the present invention providing means for a user to select and transfer a single e-mail document from a network server, the present invention provides that a user may select a list of e-mail recipients to receive a document. In this embodiment, the CGI sending script 100 instructs the network server 30 to send an e-mail 50 to each of a plurality of user e-mail addresses 111 and to attach to each of the e-mails 50 a selected document 60 in a selected document format. The e-mail addresses 111 are available in e-mail lists 120 residing on the network server 30.

Current US Cross Reference Classification - CCXR (6):

715/523

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